

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-101/10102-25-7.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

10102-25-7

### Code:

M

### RTECS:

### Code:

X

### Name:

LITHIUM SULFATE

### Other REC Limits:

N/K

### OSHA PEL:

N/K

### Code:

M

### OSHA STEL:

### Code:

### ACGIH TLV:

N/K

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

N/K

### Ventilation:

ADEQUATE

### Protective Gloves:

DISPOSABLE LATEX

### Eye Protection:

LAB GRADE GOGGLES

### Other Protective Equipment:

Equipment LAB COAT

### Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. 4

### Supplemental Safety and Health:

N/K

## Health Hazards Data

### LD50LC50Mixture:

N/P

### Route Of Entry Inds - Inhalation:

YES

### Skin:

NO

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

CORROSIVE TO EYES & SKIN, IRRITATING TO RESPIRATORY TRACT. CAUSES BURNS. MAY AFFECT THE CIRCULATORY & CENTRAL NERVOUS SYSTEM. LITHIUM COMPOUNDS MAY CAUSE APLASTIC ANEMIA.

### Explanation Of Carcinogenicity:

NONE

### Signs And Symptoms Of Overexposure:

IRRITATION, DROWNING, WEAKNESS, BLURRED VISION, GI DISTURBANCES, NAUSEA, DIARRHEA, RESPIRATORY ARREST, CIRCULATORY COLLAPSE, COMA, ENZYME ACTIVITY EFFECTS, ANEMIA & CNS EFFECTS.

### Medical Cond Aggravated By Exposure:

PERSONS W/IMPAIRED PULMONARY FUNCTION, PREEXISTING EYE, SKIN & RESPIRATORY CONDITIONS.

### First Aid:

EYES/SKIN: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER.

INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

### Spill Release Procedures:

COVER W/EXCESS SODA ASH/SODIUM BICARBONATE. SCOOP SLURRY TO BEAKER. ADJUST PH TO BETWEEN 6 & 9. FLUSH TO THE DRAIN W/EXCESS WATER. WASH SITE W/AN ALKALI SOLUTION.

### Neutralizing Agent:

3 N/K

### Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. CORROSIVE LIQUID UN1760.

### Handling And Storage Precautions:

STORE TIGHTLY CLOSED IN A COOL, DRY PLACE AWAY FROM METAL & WOOD.

### Other Precautions:

AVOID CONTACT W/EYES, SKIN & CLOTHING. DON'T BREATHE MIST/VAPOR.

## Fire and Explosion Hazard Information

### Flash Point Method:

N/P

### Flash Point:

### Flash Point Text:

N/R

### Autoignition Temp:

### Autoignition Temp Text:

N/A

### Lower Limits:

N/K

### Upper Limits:

N/K

### Extinguishing Media:

USE MEDIA APPROPRIATE TO THE SURROUNDING FIRE CONDITIONS.

### Fire Fighting Procedures:

N/K

### Unusual Fire/Explosion Hazard:

MAY EMIT TOXIC FUMES IN FIRE.

## Physical/Chemical Properties

### HCC:

### NRC/State LIC No:

### Net Prop WT For Ammo:

### Boiling Point:

### B.P. Text:

212F

### Melt/Freeze Pt:

### M.P/F.P. Text:

N/K

### Decomp Temp:

N/K

### Decomp Text:

N/K

### N/V Pres:

N/K

### N/V Density:

N/K

### Volatile Org Content %:

### Spec Gravity:

1.172

### VOC Pounds/Gallon:

### PH: 1

### VOC Grams/Liter:

### Viscosity:

N/P

### Evaporation Rate & Reference:

(WATER =1) 0.59

### Solubility in Water:

MISCIBLE

### Appearance and Odor:

CLEAR, YELLOW LIQUID W/NO ODOR

### Percent Volatiles by Volume:

N/K

### Corrosion Rate:

N/K

### Extinguishing Media:

USE MEDIA APPROPRIATE TO THE SURROUNDING FIRE CONDITIONS.

### Fire Fighting Procedures:

N/K

### Unusual Fire/Explosion Hazard:

MAY EMIT TOXIC FUMES IN FIRE.

## Reactivity Data

### Stability Indicator:

YES

### Stability Condition To Avoid:

EXCESS MOISTURE, EXTREME TEMPERATURES

### Materials To Avoid:

METALS

### Hazardous Decomposition Products:

BY FIRE: CHLORIDES, SULFUR OXIDES

### Hazardous Polymerization Indicator:

NO

### Conditions To Avoid Polymerization:

N/K

### Neutralizing Agent:

3 N/K

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### Other Precautions:

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## Toxicological Information

### Information:

N/P

### MSDS Transport Information

### Information:

N/P

## Regulatory Information

### Sara Title III Information:

N/P

### Federal Regulatory Information:

N/P

### State Regulatory Information:

N/P

### Other Information:

N/P

### Information:

N/P